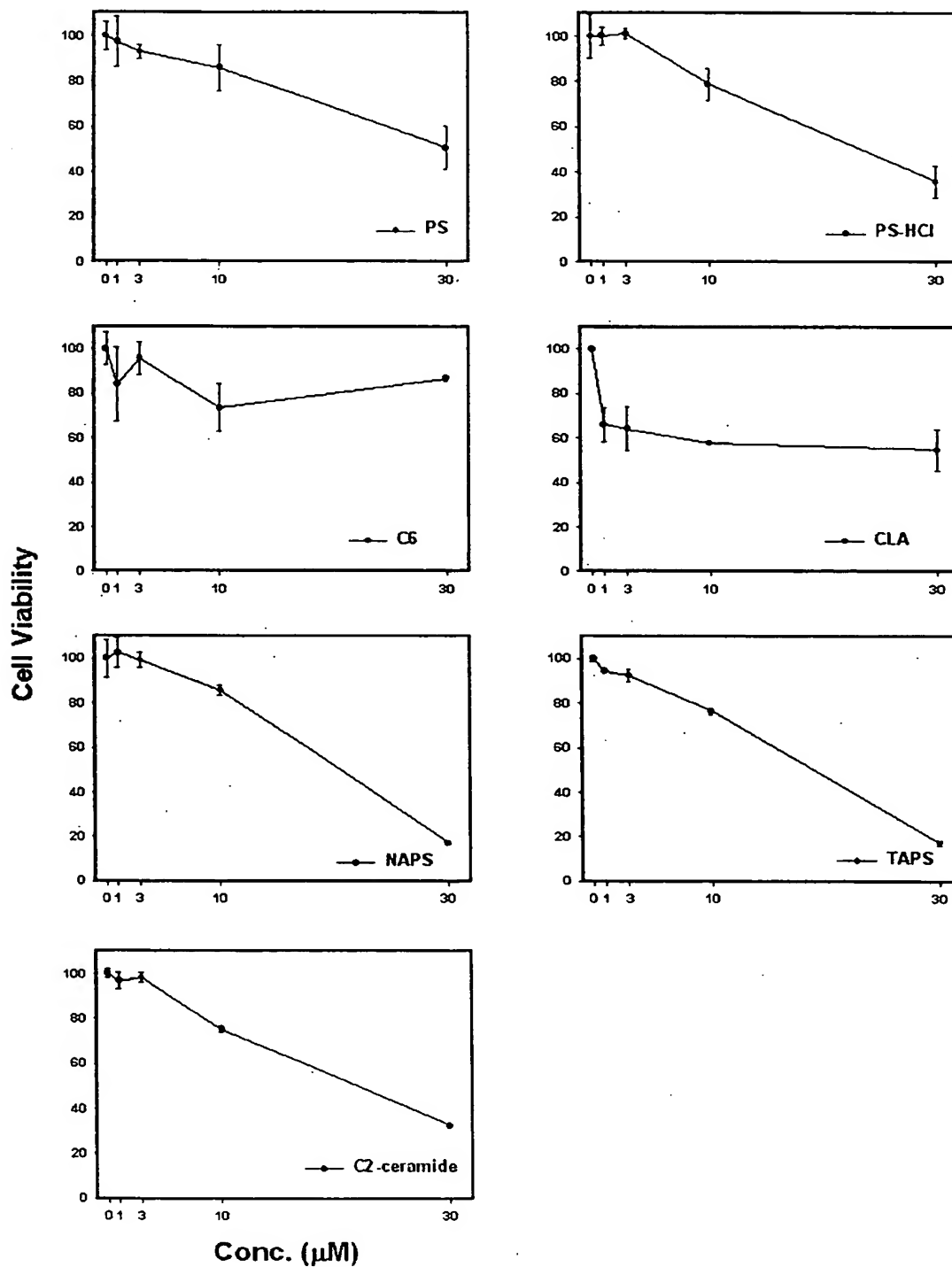
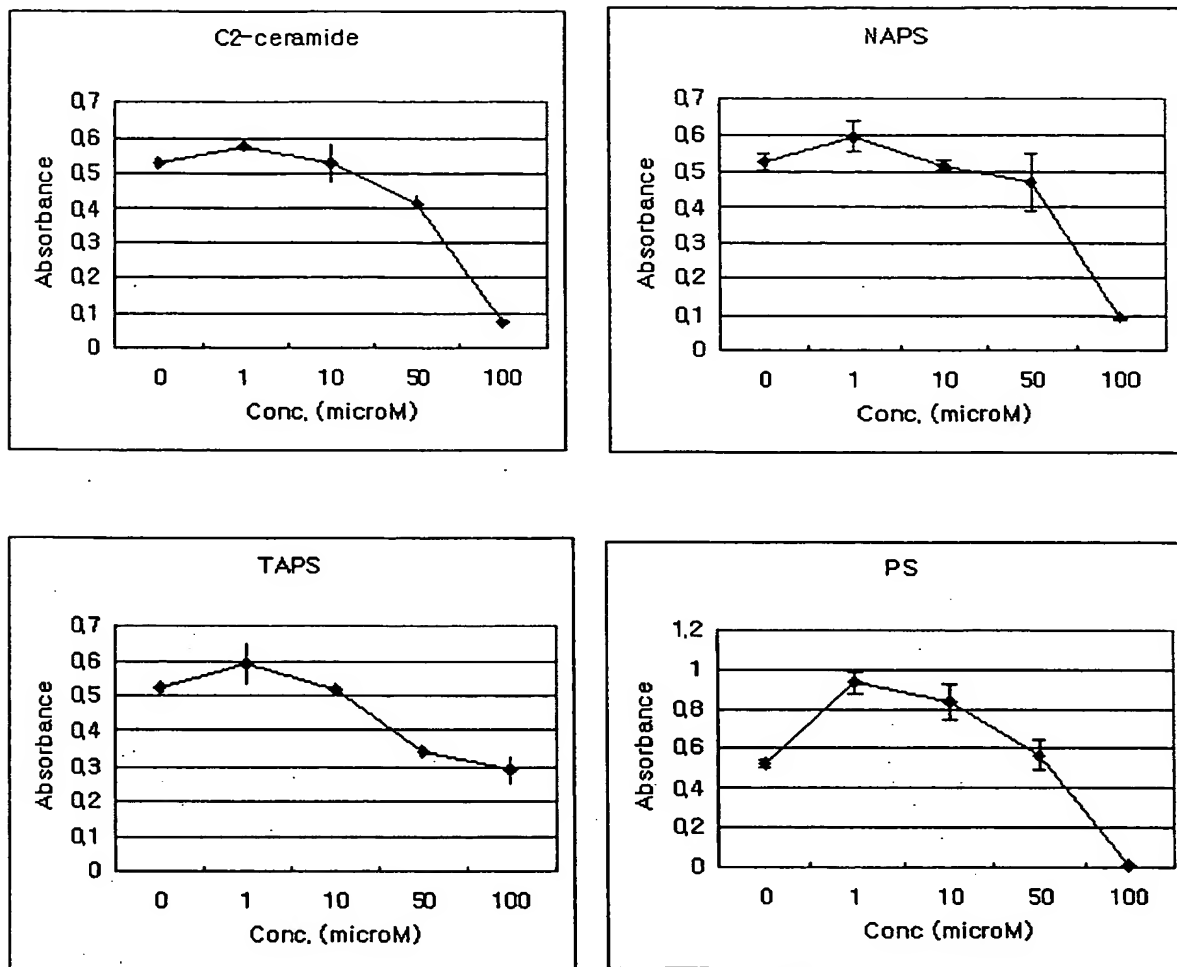


[DRAWING]

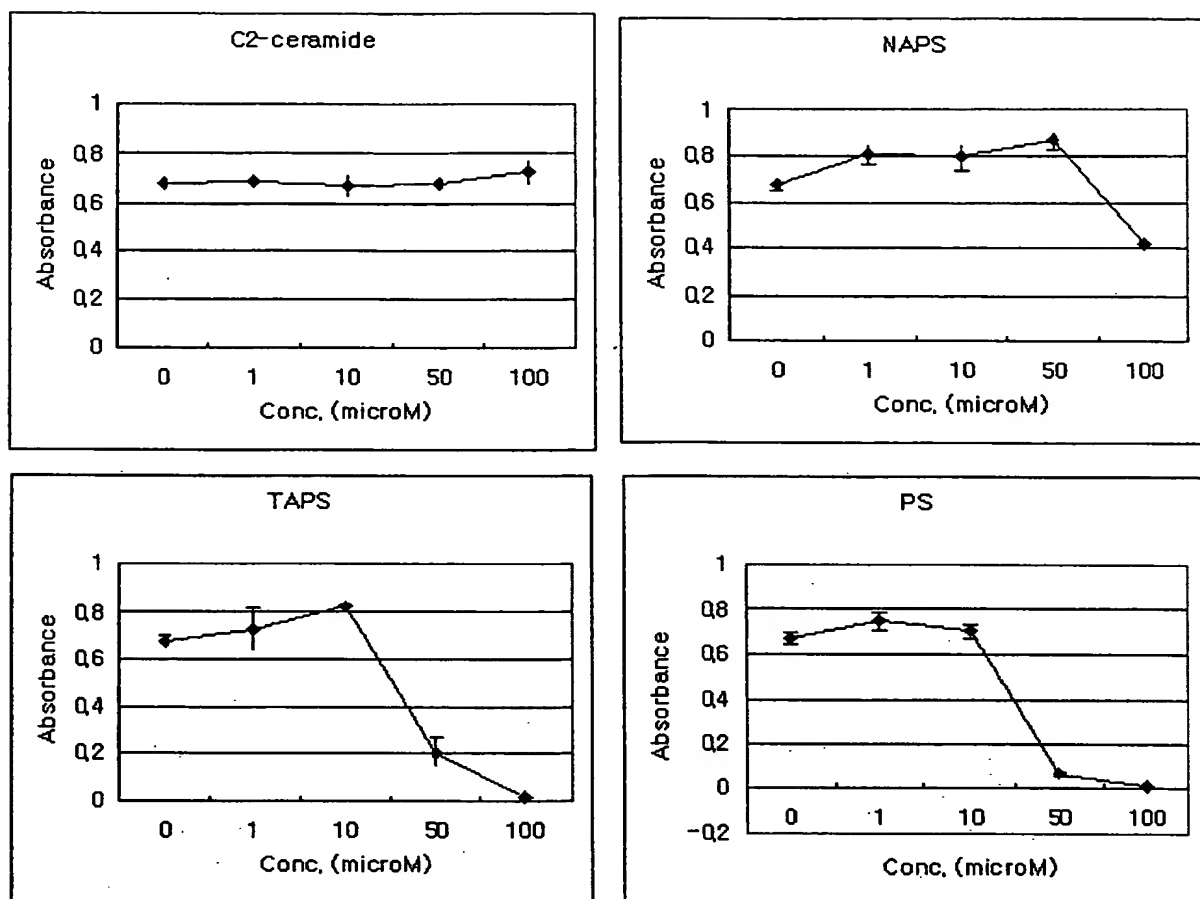
[FIG. 1]



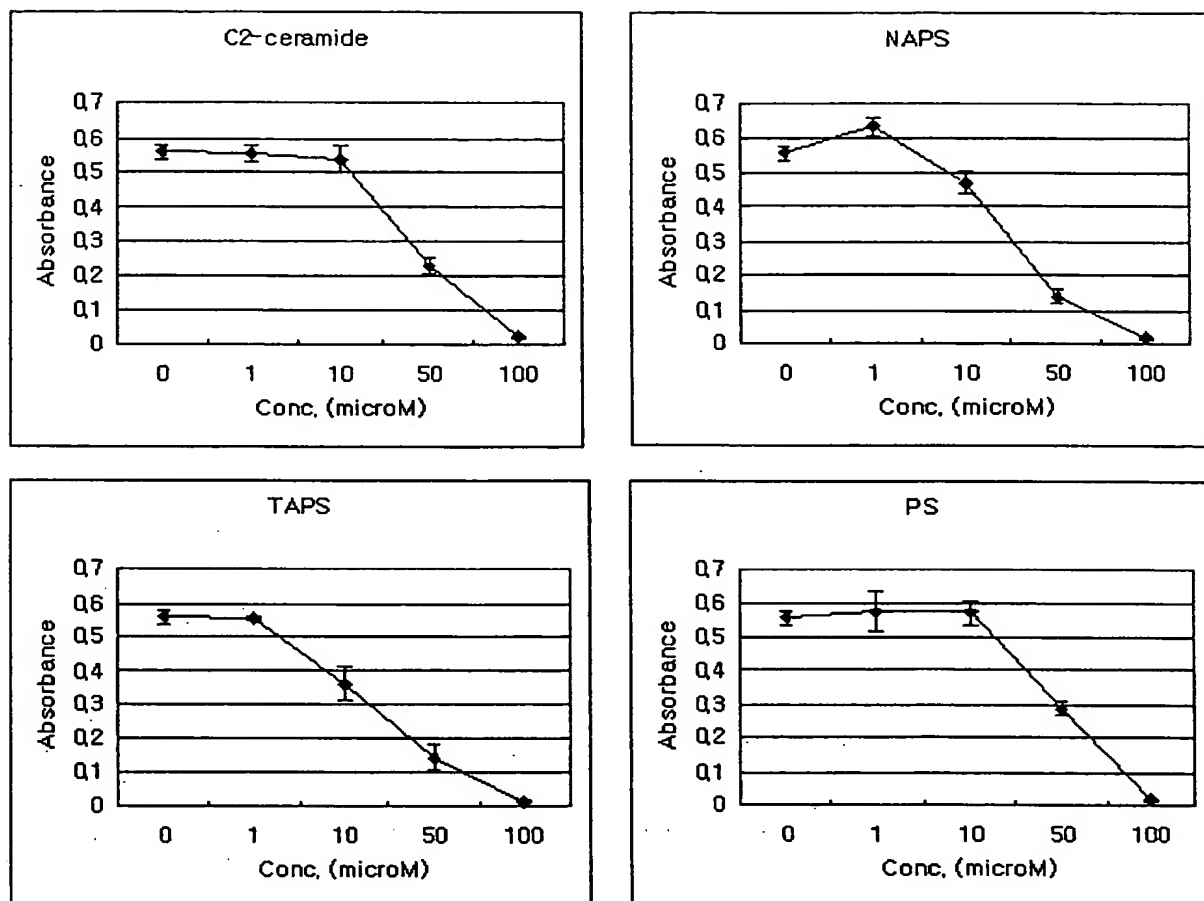
[FIG. 2]



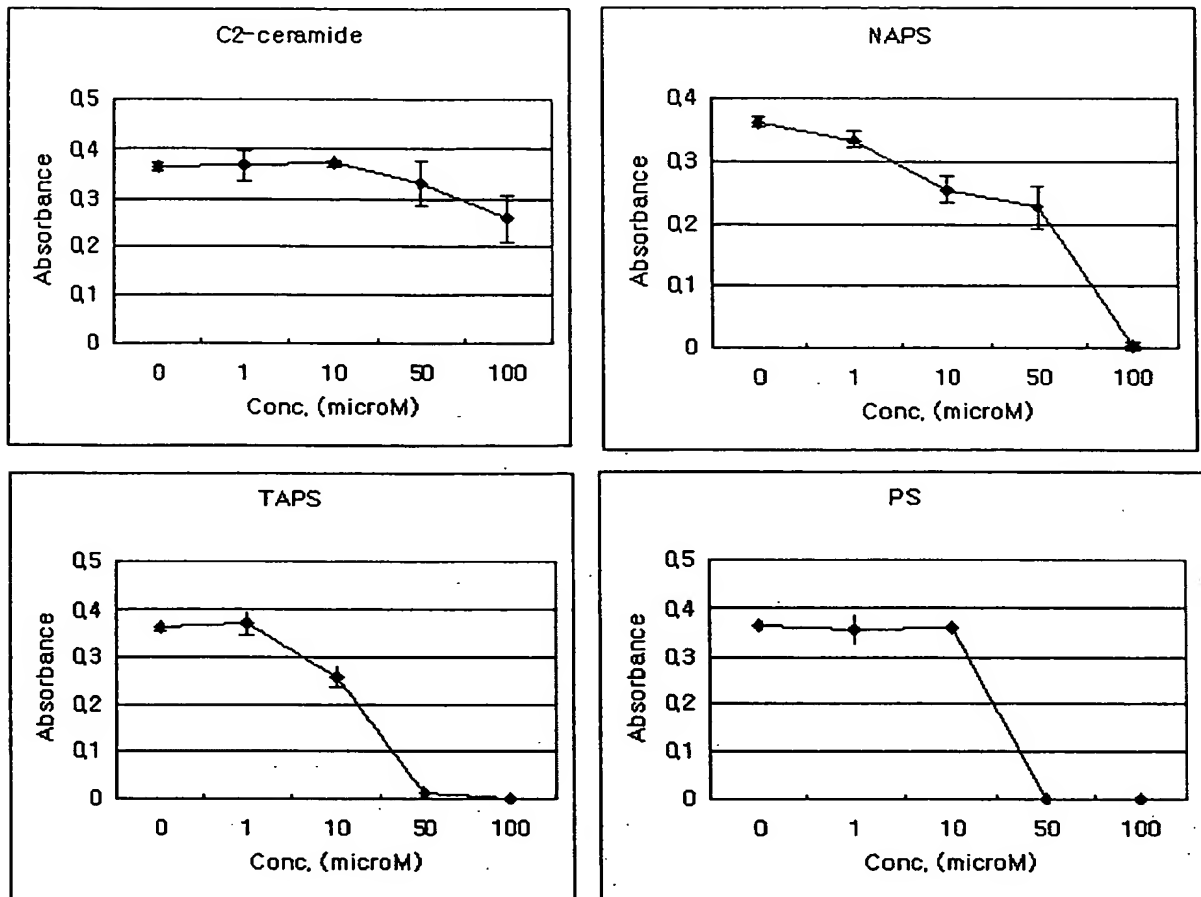
[FIG. 3]



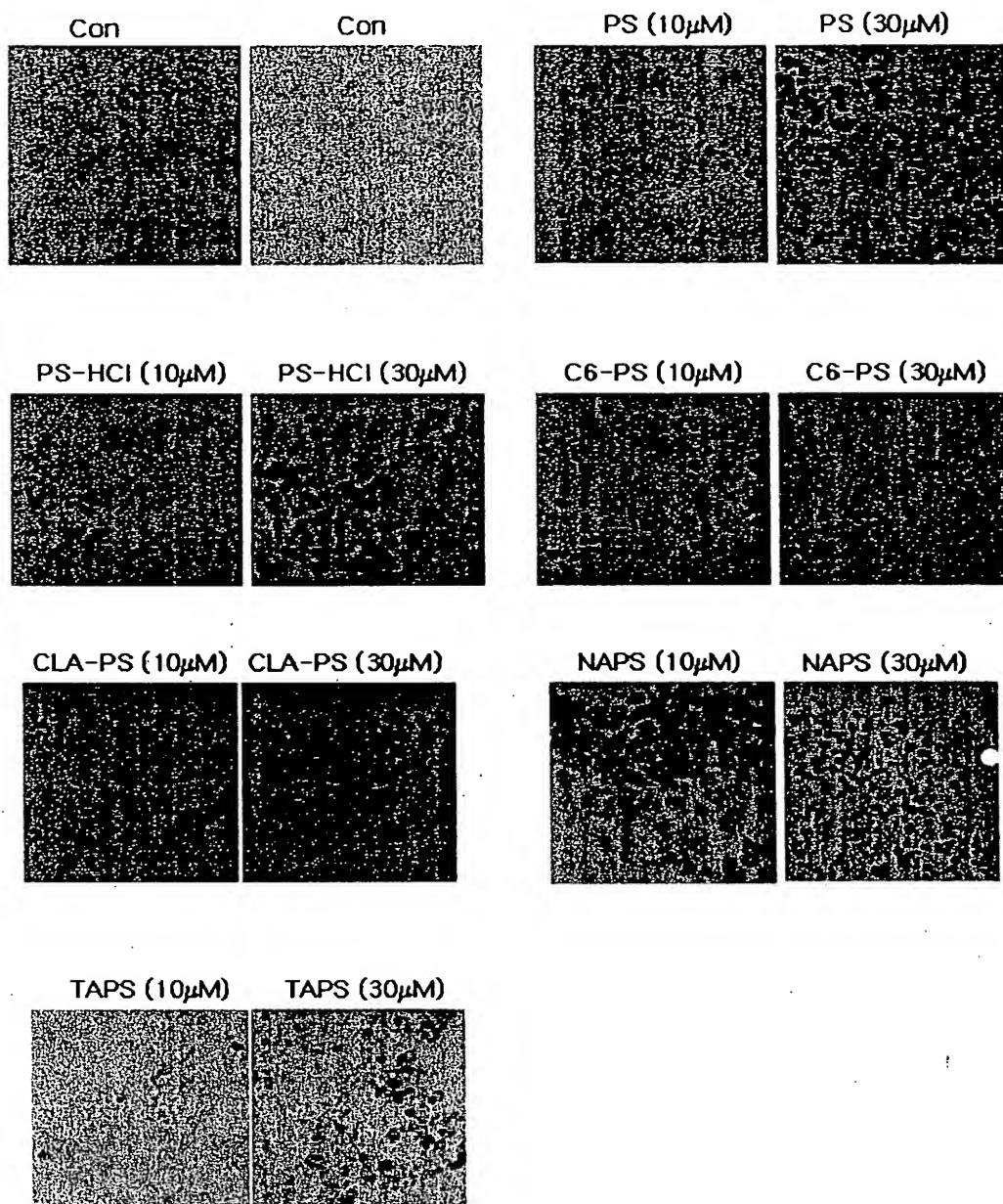
[FIG. 4]



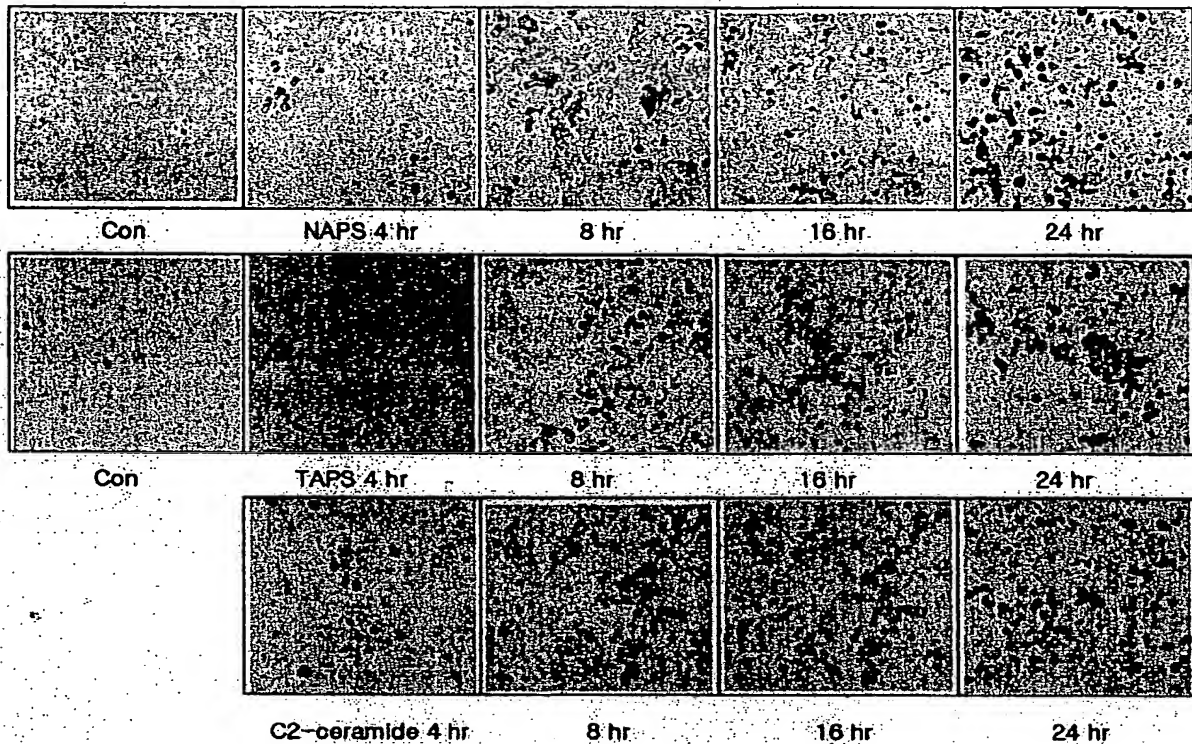
[FIG. 5]



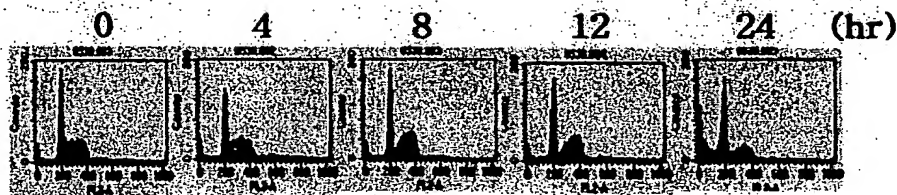
[FIG. 6]



[FIG. 7]

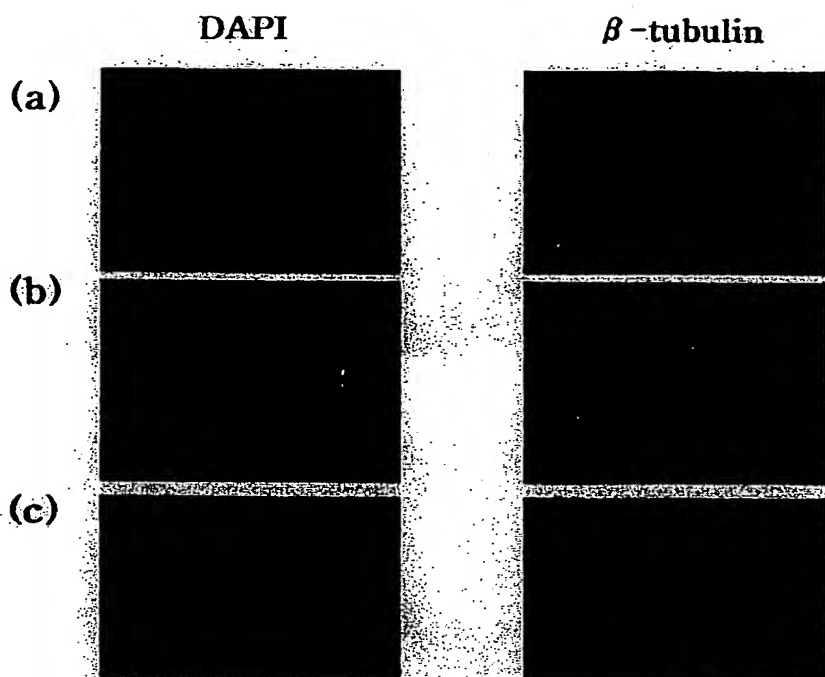


[FIG. 8]

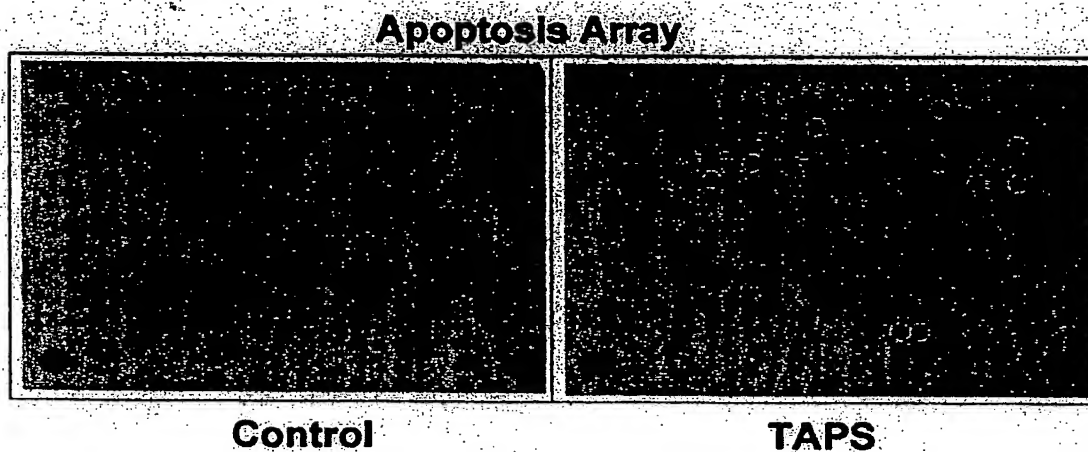


Time(h)	Cells in phase(% of total)		
	G ₁	S	G ₂ /M
0	31.85	63.07	5.08
4	29.17	66.26	4.58
8	34.84	47.37	17.79
12	36.97	38.65	24.38
24	56.40	24.38	16.85

[FIG. 9]



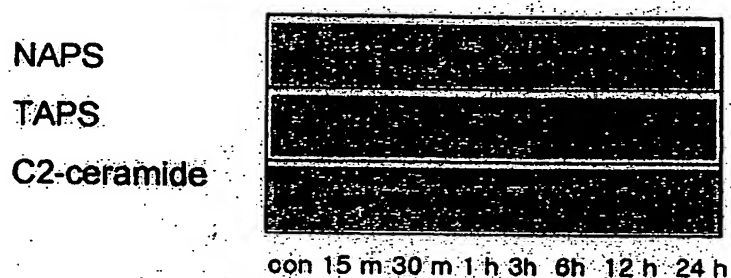
[FIG. 10]



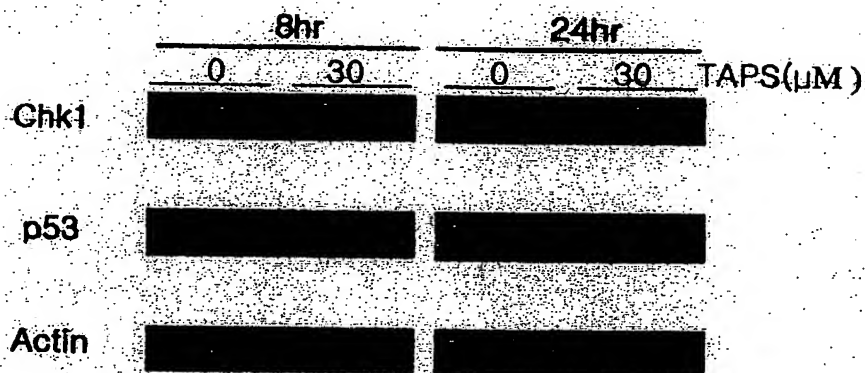
COX-2 (Apoptosis related)	p16 (Cell Cycle Regulator)	p100/NF- κ B2 (Signal Transduction Factor)
PIN (Apoptosis related)	p21 (Cell Cycle Regulator)	ref-1 (Signal Transduction Factor)
Survivin (Apoptosis Suppressor)	p53 (Cell Cycle Regulator)	TRAIL (TNF-super-family)
MCI-1 (BCI-2 related)	RbAp48 (Cell Cycle Regulator)	
PARP (Caspase related)	IL-1 β (Cytokine)	
c-myc (Cell Cycle Regulator)	14-3-3 protein (Signal Transduction Factor)	
Cyclin A2 (Cell Cycle Regulator)	BCI-10 (Signal Transduction Factor)	

[FIG. 11]

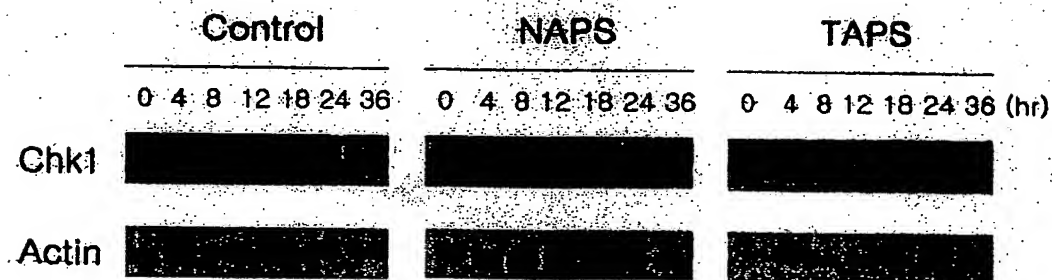
Caspase-3 induction by NAPS, TAPS and C2-ceramide



[FIG. 12]



[FIG. 13]



[FIG. 14]

Case 1

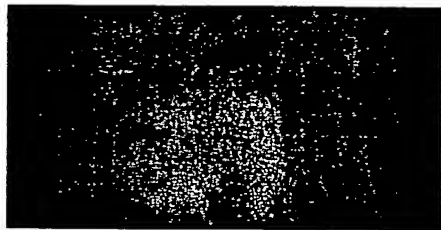


Before

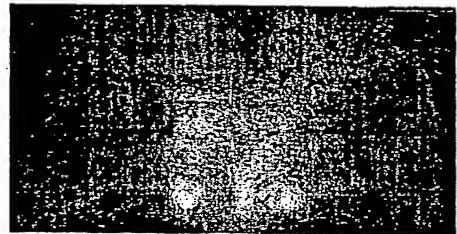
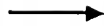


After

Case 2



Before



After

Case 3



Before



After